REMARKS

Claims 1-7 and 24-33 were pending in the application. Claims 1-7 and 24-33 have been cancelled. Claims 34-55 have been added which are believed to clarify the nature of the claimed invention. Therefore, claims 34-55 are pending.

Title and Abstract

Applicant has amended the Title and Abstract as requested.

Drawings

Applicant submits herewith replacement sheets for figures 1, 2, 3, 8 and 9.

- Figure 1 has been amended to (i) replace "Consoles" with "Console"; and (ii) delete "IB".

- Figure 2 has been amended to (i) insert "Memory" after "Off Chip"; (ii) replace "In Coming" with "Incoming"; and (iii) replace "4K" with "Len".

- Figure 3 has been amended to (i) eliminate the label "??"; (ii) replace labels "b" with "bits"; (iii) replace "14.0B" with "= 14 Bytes"; and (iv) replace "17.5B" with "= 17.5 Bytes"; and replace "4b" with four separate labels of "1 bit".

- Figure 8 has been amended to (i) replace "b" with "bits"; (ii) "16.0B" with = 16 Bytes"; (iii) "3b" with three separate labels of "1 bit"; and (iv) "4b" with four separate labels of "1 bit".

- Figure 9 has been amended to replace "amd" in step 909 with "and".

Description

Applicant has amended the description as noted above to properly identify the trademarks used therein. Applicant requests the objection to typographical and other clerical errors be held in abeyance until such time as the application is otherwise deemed in condition for allowance.

35 U.S.C. § 101 Rejections

Claims 1-7 and 24-33 stand rejected under 35 U.S.C. § 101 as being directed to non-statutory subject matter. As claims 1-7 and 24-33 have been cancelled, Applicant submits this rejection is rendered moot.

35 U.S.C. § 112, first paragraph Rejections

Claims 1-7 stand rejected under 35 U.S.C. § 112, first paragraph, as being based upon a disclosure which is not enabling. Applicant submits this rejection is moot in view of the cancellation of prior claims 1-7.

35 U.S.C. § 102(e) Rejections

Prior claims 1-7 and 24-33 stand rejected as being anticipated by U.S. Patent No. 6,601,148 (hereinafter "Beukema"). In view of the cancellation of claims 1-7 and 24-33, this

rejection is rendered moot. Further, Applicant submits each of new claims 34-55 recite features neither taught nor suggested by the cited art.

For example, claim 34 recites a system which includes the recitation:

"wherein in response to receiving said request, said first node is configured to:

    determine whether the request corresponds to a memory region or a

        memory window, responsive to a bit included within the request;

    if the request corresponds to a memory region:

        combine the first virtual address and the remote access key to form

            an index into a first entry of a memory region table; and

    if the request corresponds to a memory window:

        (i) use a first portion of the remote access key to index into a first

            entry of a memory window table;

        (ii) compare a second portion of the remote access key to a

            window table access key stored within the first entry of the

            memory window table; and

        (iii) allow processing to continue if the second portion of the

            remote access key matches the window table access key."

In contrast to the above, Beukema is directed to a method for dynamically controlling or changing access rights. To the end, Beukema generally teaches a work queue where work requests are immediately preceded by Bind work queue entries (WQE). (e.g., see Figs. 5-6 of Beukema and associated text).

With respect to the discussion of prior claims 1-7 and 24-33 in the present Office Action, Applicant makes the following observations. It is first noted that Beukema does not teach using both a memory region table and a memory window table as recited. Rather, Beukema teaches the use of a single "Protection Table". Figs. 9 and 10 of Beukema both describe entries in the one Protection Table. Fig. 9 illustrates an entry

corresponding to a memory window and Fig. 10 illustrates an entry corresponding to a memory region. In addition, it is noted that while the text which describes these figures makes reference to a "table", the "table" that is mentioned is merely a reference to the illustration in the figure and is not making any reference to an entity within the system. For example, col. 9, line 27, states "[r]eferring to Fig. 9, a table illustrating the format...." Consequently, the table in the figure is merely provided to illustrate the contents of an entry. Fig. 8 merely illustrates the format of a Bind entry in a work queue. Accordingly, Beukema does not teach the use of the recited memory region table and memory window table.
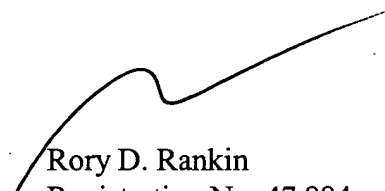
In view of the new claims which are believed to clarify the nature of the invention, Applicant submits the above recited features, as well as additional features of the dependent claims, are readily distinguished from the cited art.

CONCLUSION

No fees are believed necessary; however, if any fees are due, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5681-79200.

☒ 5 Sheets of Replacement Drawings (Figs. 1,2,3,8, & 9)

☒ Postcard Receipt

Respectfully submitted,

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